

Per/09 23
10/9/2001 #3

CRF Errors Corrected by STIC Systems Branch

Serial Number:

09/890,813

CRF Processing Date:

Edited by:

Verified by:

(STIC stat

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEO ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEO ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings-used by an applicant, specifically:
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/lienamo at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/890,813

DATE: 10/09/2001

TIME: 14:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

3 <110> APPLICANT: E.I. du Pont de Nemours and Company
 5 <120> TITLE OF INVENTION: Aspartate Kinase
 7 <130> FILE REFERENCE: BB1430 PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/890,813
 C--> 10 <141> CURRENT FILING DATE: 2001-08-02
 12 <150> PRIOR APPLICATION NUMBER: 60/172944
 13 <151> PRIOR FILING DATE: 1999-12-21
 15 <160> NUMBER OF SEQ ID NOS: 24
 17 <170> SOFTWARE: Microsoft Office 97
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 565
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Zea mays
 24 <220> FEATURE:
 25 <221> NAME/KEY: unsure
 26 <222> LOCATION: (127)
 28 <400> SEQUENCE: 1
 29 gcacgaggtt gaagagcttg agaaaatagc aattgttcgt ctacttcagc agagggcgat 60
 30 aatttcactt atcggaatg tggagcaatc gtctctcata ctagaaaaga cgggacgtgt 120
 31 gctgagn~~g~~aa agtgggggtta atgttcagat gatctcgcaa ggagcgtcaa aggttaacat 180
 32 gtcgctgata gtccatgata gcgatgcaaa ggcactcgta gaagcccttc atcaggcggt 240
 33 ctttgaagac gatgtcctat cacaagtoga agcggagaac ctactcgtgg gctgatcaac 300
 34 gtaggctttg ctgggtccag gcgtgttata tgttatagat tcccactcgc ctccatgaac 360
 35 ggcattgggca ttggatcatt gatcatgttt tgcttgaaac aagtatgtct tccaggttct 420
 36 cagccaatga ctgcaaaact gtgtttctgt tttagaactg tttgcagaca ccagtgaact 480
 37 gcgagcaccg attgtcaaca agatggcaag cctgtgatat aattccaact gtctctaact 540
 38 aatatatata ataaacatta tcaat 565
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 97
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Zea mays
 46 <220> FEATURE:
 47 <221> NAME/KEY: UNSURE
 48 <222> LOCATION: (42)
 50 <400> SEQUENCE: 2
 51 His Glu Val Glu Glu Leu Glu Lys Ile Ala Ile Val Arg Leu Leu Gln
 52 1 5 10 15
 54 Gln Arg Ala Ile Ile Ser Leu Ile Gly Asn Val Glu Gln Ser Ser Leu
 55 20 25 30
 57 Ile Leu Glu Lys Thr Gly Arg Val Leu Xaa Glu Ser Gly Val Asn Val
 58 35 40 45
 60 Gln Met Ile Ser Gln Gly Ala Ser Lys Val Asn Met Ser Leu Ile Val
 61 50 55 60
 63 His Asp Ser Asp Ala Lys Ala Leu Val Glu Ala Leu His Gln Ala Phe
 64 65 70 75 80
 66 Phe Glu Asp Asp Val Leu Ser Gln Val Glu Ala Glu Asn Leu Leu Val
 67 85 90 95

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/890,813

DATE: 10/09/2001

TIME: 14:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

69 Gly

73 <210> SEQ ID NO: 3

74 <211> LENGTH: 513

75 <212> TYPE: DNA

76 <213> ORGANISM: Zea mays

78 <220> FEATURE:

79 <221> NAME/KEY: unsure

80 <222> LOCATION: (474)

82 <400> SEQUENCE: 3

83 acagagcagg aggactcaga aatggcaatc ccagtgcgat cggctgccgc gccccgccgc 60

84 ctcggtccgt cgatacctcc ggcgagctct ggacatgttc gaggactggc gtgcttcggt 120

85 acccgaaccg ggcctcgcgg tgcaagaggg ttgtcaatgg tggtcgccga ctccaccagc 180

86 cgtcgggcca agcaagcgga cggcggggac ggcgtccttg gggcgctgt tctcgaggg 240

87 ctcgggatgg agggattggg ggatcagctc agcgtggtga tgaagtccgg ggggtcctcg 300

88 gtgtcgtcgg ccgcgaggat ggctgaggtg gccggcctca tctgacgtt ccccgaggag 360

89 cgccccgtcg tcgttctctc tgccatgggg aaaaccacca acaaccttct ccttgctggg 420

90 agaaaaggca ataaggtgtg gagttatcat gttttctgaa atccgaagaa tggnatatgg 480

91 tcaaaaagcc taaaatatca aagtatccca act 513

94 <210> SEQ ID NO: 4

95 <211> LENGTH: 152

96 <212> TYPE: PRT

97 <213> ORGANISM: Zea mays

99 <400> SEQUENCE: 4

100 Thr Glu Gln Glu Asp Ser Glu Met Ala Ile Pro Val Arg Ser Ala Ala

101 1 5 10 15

103 Ala Pro Arg Arg Leu Val Pro Ser Ile Pro Pro Ala Ser Ser Gly His

104 20 25 30

106 Val Arg Gly Leu Ala Cys Phe Gly Thr Arg Thr Gly Pro Arg Gly Ala

107 35 40 45

109 Arg Gly Leu Ser Met Val Val Ala Asp Ser Thr Ser Arg Arg Ala Lys

110 50 55 60

112 Gln Ala Asp Gly Gly Asp Gly Val Leu Gly Ala Pro Val Leu Gly Gly

113 65 70 75 80

115 Leu Gly Met Glu Gly Leu Gly Asp Gln Leu Ser Val Val Met Lys Phe

116 85 90 95

118 Gly Gly Ser Ser Val Ser Ser Ala Ala Arg Met Ala Glu Val Ala Gly

119 100 105 110

121 Leu Ile Leu Thr Phe Pro Glu Glu Arg Pro Val Val Val Leu Ser Ala

122 115 120 125

124 Met Gly Lys Thr Thr Asn Asn Leu Leu Ala Gly Arg Lys Gly Asn

125 130 135 140

127 Lys Val Trp Ser Tyr His Val Phe

128 145 150

131 <210> SEQ ID NO: 5

132 <211> LENGTH: 1985

133 <212> TYPE: DNA

134 <213> ORGANISM: Zea mays

136 <220> FEATURE:

137 <221> NAME/KEY: unsure

RAW SEQUENCE LISTING

DATE: 10/09/2001

PATENT APPLICATION: US/09/890,813

TIME: 14:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

138 <222> LOCATION: (532)

140 <220> FEATURE:

141 <221> NAME/KEY: unsure

142 <222> LOCATION: (1180)

144 <400> SEQUENCE: 5

145 gcaccagaca gagcaggagg actcagaaat ggcaatccca gtgcgatcgg ctgccgcgcc 60
 146 ccgcgcgcctc gttccgtcga tacctccggc gagctctgga catgttcgag gactggcggtg 120
 147 cttcgggtacc cgaaccgggc ctgcggtgac aagagggttg tcaatggtgg tcgccgactc 180
 148 caccagccgt cgggccaaagc aagcggacgg cggggacggc gtccttgggg cgccgtttct 240
 149 cggagggtc cgggatggagg gattggggga tcagctcagc gtggtgatga agttcggggg 300
 150 gtcctcggtg tcgtcggccg cgaggatggc tgagggtggc ggcctcatcc tgacgttccc 360
 151 cgaggagcgc cccgtcgtcg ttctctctgc catggggaaa accaccaaca accttctcct 420
 152 tgctggagag aaggcagtag ggtgtggagt tatccatggt tctgaaatcg aagagtggaa 480
 153 **tatggtcaaa agcctacata tcaagacggg ggatgaactt ggacttccaa gnatctgtaa 540**
 154 tacaagcctt tatgaactgg agcaactatt gaaagggtat gctatgatga aagagctgac 600
 155 gcctaggacc agtgactacc ttgtttcatt tggagaatgc atgtccacca ggattttttc 660
 156 tgcttatttg aacaaaattc gtgtcaaggc acggcagtat gacgcatttg atattggttt 720
 157 cattacaact gatgaatttg gtaatgcgga tatcttagaa gcaacctatc ctgctgttgc 780
 158 gaagagactt catggggact ggatacagga tccagcgata cctgttggtt ctgggttcc 840
 159 tgggaagggc tggaaatctg gtgctgtaac tactttaggc cgagggtggt gtgacttgac 900
 160 tgctacaacc atttgtaaag ccttgggact gagagaaatt cagggtatgga aagatgttga 960
 161 tgggtgactt acttgtgatc caaatatcta cccacatgca aagactgttc catacttaac 1020
 162 atttgaagag gccacagaac ttgcttattt tgggtgctcag gttttgcatc cacaatcgat 1080
 163 gagacctgct agagaagggt atattccagt tagggttaag aattcataca accctaaagc 1140
 164 **tccaggcacc cttattacca gacaaagaga catggataan ggtctgggtg tactaactag 1200**
 165 catagtgtc aagtcaaatg tcactatggt ggacattgtg agcactcgga tgcttggtca 1260
 166 gtatggtttt ctggcaaggg tatcagggtat ttgctatatt gaagatctat gtatatctgt 1320
 167 ggattgtgtt gctaccagtg aagttagtgt ttctgtgtca cttgatccat caaagatctg 1380
 168 gagtagggaa ctgatacagc aggcaagtga acttgaccat gtagttgaag agcttgagaa 1440
 169 aatagcaatt gttcgtctac ttcagcagag ggcgataatt tcacttatcg gaaatgtgga 1500
 170 gcaatcgtct ctgatactag aaaagacggg acgtgtgctg aggaaaagtg gggttaatgt 1560
 171 tcagatgatc tcgcaaggag cgtcaaagggt taacatgtcg ctgatagtcc atgatagcga 1620
 172 tgcaaaggca ctctgtagaag cccttcatca ggcgttcttt gaagacgatg tcctatcaca 1680
 173 agtcgaagcg gagaacctac tcgtgggctg atcaacgtag gctttgctgg gtccaggcgt 1740
 174 gttatctgtt atagattccc actcgcctcc atgaacggca tgggcattgg atcattgatc 1800
 175 atgttttgtc tgaacaagt atgtcttcca ggttctcagc caatgactgc aaaactgtgt 1860
 176 ttctgtttta gaactgtttg cagacaccag tgagctgcga gcaccgattg tcaacaagat 1920
 177 ggcaagcctg tgatataatt ccaactgtct ctaatcaata tatataataa acattatcaa 1980
 178 tatct 1985

181 <210> SEQ ID NO: 6

182 <211> LENGTH: 560

183 <212> TYPE: PRT

184 <213> ORGANISM: Zea mays

186 <220> FEATURE:

187 <221> NAME/KEY: UNSURE

188 <222> LOCATION: (168) /

190 <220> FEATURE:

191 <221> NAME/KEY: UNSURE

192 <222> LOCATION: (384)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/890,813

DATE: 10/09/2001

TIME: 14:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

194 <400> SEQUENCE: 6

195 Met Ala Ile Pro Val Arg Ser Ala Ala Ala Pro Arg Arg Leu Val Pro
 196 1 5 10 15
 198 Ser Ile Pro Pro Ala Ser Ser Gly His Val Arg Gly Leu Ala Cys Phe
 199 20 25 30
 201 Gly Thr Arg Thr Gly Pro Arg Gly Ala Arg Gly Leu Ser Met Val Val
 202 35 40 45
 204 Ala Asp Ser Thr Ser Arg Arg Ala Lys Gln Ala Asp Gly Gly Asp Gly
 205 50 55 60
 207 Val Leu Gly Ala Pro Val Leu Gly Gly Leu Gly Met Glu Gly Leu Gly
 208 65 70 75 80
 210 Asp Gln Leu Ser Val Val Met Lys Phe Gly Gly Ser Ser Val Ser Ser
 211 85 90 95
 213 Ala Ala Arg Met Ala Glu Val Ala Gly Leu Ile Leu Thr Phe Pro Glu
 214 100 105 110
 216 Glu Arg Pro Val Val Val Leu Ser Ala Met Gly Lys Thr Thr Asn Asn
 217 115 120 125
 219 Leu Leu Leu Ala Gly Glu Lys Ala Val Gly Cys Gly Val Ile His Val
 220 130 135 140
 222 Ser Glu Ile Glu Glu Trp Asn Met Val Lys Ser Leu His Ile Lys Thr
 223 145 150 155 160
 225 Val Asp Glu Leu Gly Leu Pro Xaa Ile Cys Asn Thr Ser Leu Tyr Glu
 226 165 170 175
 228 Leu Glu Gln Leu Leu Lys Gly Ile Ala Met Met Lys Glu Leu Thr Pro
 229 180 185 190
 231 Arg Thr Ser Asp Tyr Leu Val Ser Phe Gly Glu Cys Met Ser Thr Arg
 232 195 200 205
 234 Ile Phe Ser Ala Tyr Leu Asn Lys Ile Arg Val Lys Ala Arg Gln Tyr
 235 210 215 220
 237 Asp Ala Phe Asp Ile Gly Phe Ile Thr Thr Asp Glu Phe Gly Asn Ala
 238 225 230 235 240
 240 Asp Ile Leu Glu Ala Thr Tyr Pro Ala Val Ala Lys Arg Leu His Gly
 241 245 250 255
 243 Asp Trp Ile Gln Asp Pro Ala Ile Pro Val Val Thr Gly Phe Leu Gly
 244 260 265 270
 246 Lys Gly Trp Lys Ser Gly Ala Val Thr Thr Leu Gly Arg Gly Gly Ser
 247 275 280 285
 249 Asp Leu Thr Ala Thr Thr Ile Gly Lys Ala Leu Gly Leu Arg Glu Ile
 250 290 295 300
 252 Gln Val Trp Lys Asp Val Asp Gly Val Leu Thr Cys Asp Pro Asn Ile
 253 305 310 315 320
 255 Tyr Pro His Ala Lys Thr Val Pro Tyr Leu Thr Phe Glu Glu Ala Thr
 256 325 330 335
 258 Glu Leu Ala Tyr Phe Gly Ala Gln Val Leu His Pro Gln Ser Met Arg
 259 340 345 350
 261 Pro Ala Arg Glu Gly Asp Ile Pro Val Arg Val Lys Asn Ser Tyr Asn
 262 355 360 365
 264 Pro Lys Ala Pro Gly Thr Leu Ile Thr Arg Gln Arg Asp Met Asp Xaa
 265 370 375 380

RAW SEQUENCE LISTING

DATE: 10/09/2001

PATENT APPLICATION: US/09/890,813

TIME: 14:25:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

```

267 Gly Leu Val Val Leu Thr Ser Ile Val Leu Lys Ser Asn Val Thr Met
268 385                      390                      395                      400
270 Leu Asp Ile Val Ser Thr Arg Met Leu Gly Gln Tyr Gly Phe Leu Ala
271                      405                      410                      415
273 Arg Val Ser Gly Ile Cys Tyr Ile Glu Asp Leu Cys Ile Ser Val Asp
274                      420                      425                      430
276 Cys Val Ala Thr Ser Glu Val Ser Val Ser Val Ser Leu Asp Pro Ser
277                      435                      440                      445
279 Lys Ile Trp Ser Arg Glu Leu Ile Gln Gln Ala Ser Glu Leu Asp His
280                      450                      455                      460
282 Val Val Glu Glu Leu Glu Lys Ile Ala Ile Val Arg Leu Leu Gln Gln
283 465                      470                      475                      480
285 Arg Ala Ile Ile Ser Leu Ile Gly Asn Val Glu Gln Ser Ser Leu Ile
286                      485                      490                      495
288 Leu Glu Lys Thr Gly Arg Val Leu Arg Lys Ser Gly Val Asn Val Gln
289                      500                      505                      510
291 Met Ile Ser Gln Gly Ala Ser Lys Val Asn Met Ser Leu Ile Val His
292                      515                      520                      525
294 Asp Ser Asp Ala Lys Ala Leu Val Glu Ala Leu His Gln Ala Phe Phe
295                      530                      535                      540
297 Glu Asp Asp Val Leu Ser Gln Val Glu Ala Glu Asn Leu Leu Val Gly
298 545                      550                      555                      560
301 <210> SEQ ID NO: 7
302 <211> LENGTH: 1953
303 <212> TYPE: DNA
304 <213> ORGANISM: Zea mays
306 <400> SEQUENCE: 7
307 gagcaggagg actcagaaat ggcaatccca gtgcgatcgg ctgccgcgcc ccgccgcctc 60
308 gttccgtcga tacctccggc gagctctgga catgttcgag gactggcgtg ctccggtacc 120
309 cgaaccgggc ctgcgggtgc aagagggttg tcaatggttg tcgccgactc caccagccgt 180
310 cgggccaaagc aagcggacgg cggggacggc gtccttgggg cgctgttct cggagggttc 240
311 gggatggagg gattggggga tcagctcagc gtggtgatga agttcggggg gtcctcggtg 300
312 tcgtcggccg cgaggatggc tgaggtggcc ggctcatcc tgacgttccc cgaggagcgc 360
313 cccgtcgtcg ttctctctgc catggggaaa accaccaaca accttctcct tgctggagag 420
314 aaggcagtag ggtgtggagt tatccatgtt tctgaaatcg aagagtggaa tatggtcaaa 480
315 agcctacata tcaagacggt ggatgaactt ggacttccaa gatctgtaat acaagacatg 540
316 ctgatgaac tggagcaact attgaaaggt atcgctatga tgaaagagct gacgcctagg 600
317 accagtgact accttgtttc atttgagaaa tgcattgtcca ccaggatttt ttctgcttat 660
318 ttgaacaaaa ttctgtgtcaa ggcacggcag tatgacgcat ttgatatttg ttctattaca 720
319 actgatgaat ttggtaatgc ggatatctta gaagcaacct atcctgctgt tgcgaagaga 780
320 cttcatgggg actggataca ggatccagcg atacctgttg ttactgggtt ccttgggaag 840
321 ggctggaaat ctggtgctgt aactacttta ggccgaggtg gtagtgactt gactgtaca 900
322 accattggta aagccttggg actgagagaa attcaggtat ggaaagatgt tgatggtgta 960
323 cttacttgtg atccaaatat ctaccacatg gcaaagactg ttccatactt aacatttgaa 1020
324 gaggccacag aacttgctta ttttggtgct caggttttgc atccacaatc gatgagacct 1080
325 gctagagaag gtgatattcc agttagggtt aagaattcat acaaccctaa agctccaggc 1140
326 acccttatta ccagacaaag agacatggat aaggttgtac taactagcat agtgctcaag 1200
327 tcaaattgtc ctatgttggc cattgtgagc actcggatgc ttggtcagta tggttttctg 1260
328 gcaagggtat ttgctatatt tgaagatcta tgtatatctg tggatttgtt tgctaccagt 1320

```

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/890,813

DATE: 10/09/2001

TIME: 14:25:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10092001\I890813.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:31 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:57 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:90 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:153 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:164 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:225 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:264 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:494 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:495 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:667 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:668 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:669 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:670 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:672 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:673 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:712 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:718 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:721 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/890,813

DATE: 08/14/2001

TIME: 11:02:41

Input Set : A:\BB1430 PCT Seq List.txt

Output Set: N:\CRF3\08142001\I890813.raw

3 <110> APPLICANT: E.I. du Pont de Nemours and Company
 5 <120> TITLE OF INVENTION: Aspartate Kinase
 7 <130> FILE REFERENCE: BB1430 PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/890,813
 C--> 10 <141> CURRENT FILING DATE: 2001-08-02
 12 <150> PRIOR APPLICATION NUMBER: 60/172944
 13 <151> PRIOR FILING DATE: 1999-12-21
 15 <160> NUMBER OF SEQ ID NOS: 24
 17 <170> SOFTWARE: Microsoft Office 97

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

1033 <210> SEQ ID NO: 24
 1034 <211> LENGTH: 23
 1035 <212> TYPE: DNA
 1036 <213> ORGANISM: Artificial Sequence
 1038 <220> FEATURE:
 1039 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 oligonucleotide
 1041 <400> SEQUENCE: 24
 1042 gattccatgg caatcccagt gcg 23
 E--> 1044 (18)

VERIFICATION SUMMARY

DATE: 08/14/2001

PATENT APPLICATION: US/09/890,813

TIME: 11:02:42

Input Set : A:\BB1430 PCT Seq List.txt

Output Set: N:\CRF3\08142001\I890813.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:31 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:57 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:90 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:153 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:164 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:225 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:264 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:494 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:495 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:667 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:668 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:669 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:670 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:672 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:673 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:712 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:718 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:721 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:1044 M:254 E: No. of Bases conflict, LENGTH:Input:18 Counted:23 SEQ:24